

From: [Candon Tanaka](#)
To: [Eberhardt, Maja](#)
Cc: [Macchio, Lisa](#)
Subject: RE: WQS language
Date: Wednesday, June 12, 2019 3:46:46 PM

Hello Maja,

Thank you for sending the information and no problem on the aluminum. The phone call with Rochelle went well and I think I have the cyanotoxins covered. Can you refresh my memory on why the HHC-arsenic, thallium, dioxin are not included in the tribal model? (Arsenic was an IRIS update issue correct?) And what my options are?

Thanks,

Candon Tanaka

Water Quality Specialist

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From: Eberhardt, Maja <eberhardt.maja@epa.gov>

Sent: Tuesday, June 11, 2019 11:58 AM

To: Candon Tanaka <ctanaka@sbtribes.com>

Cc: Macchio, Lisa <Macchio.Lisa@epa.gov>

Subject: RE: WQS language

Hi Candon,

Let me put a hold on the aluminum language briefly, I believe the toxicity response to hardness is not unidirectional for aluminum as it is for copper so a different approach may be needed for protective default inputs. Let me talk to others here and get back to you soon.

Thanks, sorry.

Maja

From: Eberhardt, Maja

Sent: Monday, June 10, 2019 4:44 PM

To: Candon Tanaka <ctanaka@sbtribes.com>

Cc: Macchio, Lisa <Macchio.Lisa@epa.gov>

Subject: WQS language

Hi Candon,

Thanks for a good call today, we covered a lot of ground and I hope we were able to provide most of the information you need. I've attached the Swinomish language for their copper criteria, and language for the aluminum criteria that is parallel to the copper language for your consideration. The copper language includes basic implementation language and references EPA's default criteria document, and this language translates almost directly to the aluminum criteria. pH is important to aluminum toxicity, and is hard to predict using reference conditions, so it should be measured directly if possible.

Let me know if you would like assistance with human health criteria for arsenic, dioxin, and thallium. I'll wait to hear back from you about your discussion with Rochelle on the cyanotoxin criteria.

Thanks! Please let me know if you have more questions. I'll look forward to seeing your draft standards.

Maja

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Maja Eberhardt

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